304 determines the location from the external source, and block 306 starts the location calculations utilizing the determined location from block 304 and information from acoustic gyroscope. After execution of block 306, control is transferred to block 307. Block 307 performs the other wireless device functions. In the case of a wireless telephone, this would consist of making telephone calls and receiving calls, etc. After execution of block 307, flag one is tested to see if it is set by decision block 308. If the answer is yes in decision block 308, block 309 resets flag one and transfers control back to decision block 302 so as to determine if the location can be determined from an external source. If the answer in decision block 308 is no, decision block 311 determines if it is time to determine the location from an external source. The time is set as a periodic time so that the wireless device is constantly verifying its location from an external source. If the answer is no in decision block 311, control is transferred back to block 307. If the answer is yes in decision block 311, control is transferred back to decision block 302 where it is attempted to determine the location from an external source.

Of course, various changes and modifications to the illustrative embodiment described above will be apparent to those skilled in the art. Such changes and modifications can be made without departing from the spirit and scope of the invention and without diminishing its intended advantages. It is therefore intended that such changes and modifications be covered by the following claims except in so far as limited by the prior art.

What is claimed is:

1. Apparatus for determining a location of a device, comprising:

acoustic gyroscope;

controller for calculating the location of the device from information received from the acoustic gyroscope;

the controller further responsive to external location information for adjusting the acoustic gyroscope;

a detector for receiving information from local fixed location transmitters; and

the controller further responsive to the received information for calculating the location of the device to generate the external location information.

2. Apparatus for determining a location of a wireless telephone, comprising:

acoustic gyroscope;

controller for calculating the location of the wireless telephone from information received from the acoustic gyroscope; and

the controller further responsive to external location information for adjusting the acoustic gyroscope.

3. The apparatus of claim 2 further comprises a wireless circuit for receiving wireless transmissions from external transmitting stations; and

the controller further responsive to the received wireless transmissions for calculating the location of the device to generate the external location information.

4. Apparatus for determining a location of a wireless personal digital assistant, comprising:

acoustic gyroscope;

controller for calculating the location of the wireless personal digital assistant from information received from the acoustic gyroscope; and

the controller further responsive to external location information for adjusting the acoustic gyroscope.

5. The apparatus of claim 4 further comprises a wireless circuit for receiving wireless transmissions from external transmitting stations; and

the controller further responsive to the received wireless transmissions for calculating the location of the device to generate the external location information.

6. A wireless telephone for determining a location of the wireless telephone, comprising:

acoustic gyroscope;

controller for calculating the location of the wireless telephone from information received from the acoustic gyroscope;

wireless circuit for receiving wireless transmissions from external transmitting stations;

the controller further responsive to the received wireless transmissions for generating external location information; and

the controller further responsive to external location information for adjusting the acoustic gyroscope.

7. A wireless personal digital assistant for determining a location of the wireless personal digital assistant, comprising:

acoustic gyroscope;

controller for calculating the location of the wireless personal digital assistant from information received from the acoustic gyroscope;

wireless circuit for receiving wireless transmissions from external transmitting stations;

the controller further responsive to the received wireless transmissions for generating external location information; and

the controller further responsive to external location information for adjusting the acoustic gyroscope.

8. A wireless device for determining a location of the wireless device, comprising:

acoustic gyroscope;

controller for calculating the location of the wireless device from information received from the acoustic gyroscope;

a detector for receiving information from local fixed location transmitters;

the controller further responsive to the received information for calculating external location information; and

the controller further responsive to external location information for adjusting the acoustic gyroscope.

9. The apparatus of claim 8 wherein the wireless device is a wireless telephone.

10. The apparatus of claim 8 wherein the wireless device is a wireless personal digital assistant.

11. A method for determining a location of a wireless telephone, comprising the steps of:

analyzing information from an acoustic gyroscope;

calculating the location of the wireless telephone from the analyzed information; and

adjusting the acoustic gyroscope periodically using external location information.

12. A method for determining a location of a wireless personal digital assistant, comprising the steps of:

analyzing information from an acoustic gyroscope;

calculating the location of the wireless personal digital assistant from the analyzed information; and

adjusting the acoustic gyroscope periodically using external location information.

13. A method for determining a location of a device, comprising the steps of: